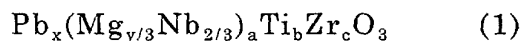


Abstract of the Disclosure

A piezoelectric element comprising: a ceramic substrate,
 a piezoelectric portion made of a piezoelectric ceramic
 5 composition containing a $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ - PbZrO_3 - PbTiO_3 ternary
 system solid solution composition having an average particle
 diameter of 1 – 10 μm with a maximum particle diameter being
 5 times as large as the average particle diameter or less and
 being represented by the following general formula (1) as a
 10 main component and 0.05 to 10.0 mass% of NiO, and an electrode.
 The electrode is electrically connected to the piezoelectric
 portion, and the piezoelectric portion is solidly attached to the
 ceramic substrate directly or via the electrode.



15 wherein $0.95 \leq x \leq 1.05$; $0.8 \leq y \leq 1.0$; a, b and c are decimals
 falling in a range surrounded by (a,b,c) = (0.550, 0.425, 0.025),
 (0.550, 0.325, 0.125), (0.375, 0.325, 0.300), (0.100, 0.425, 0.475),
 (0.100, 0.475, 0.425) and (0.375, 0.425, 0.200) in the coordinates
 with coordinate axes of the a, b and c, and $a+b+c = 1.00$.